Title: Methods and Composition for Diagnosing and Treating Pseudoxanthoma Elasticum and Related Conditions

Inventor: Boyd et al.
Serial No.: Not Yet Assigned

Atty. Docket No.: PXE-001C1 Express Mail Label No. EV260610565US

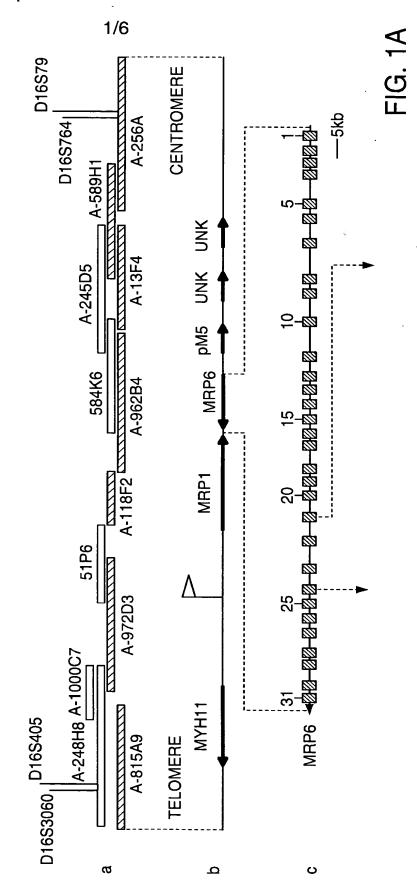
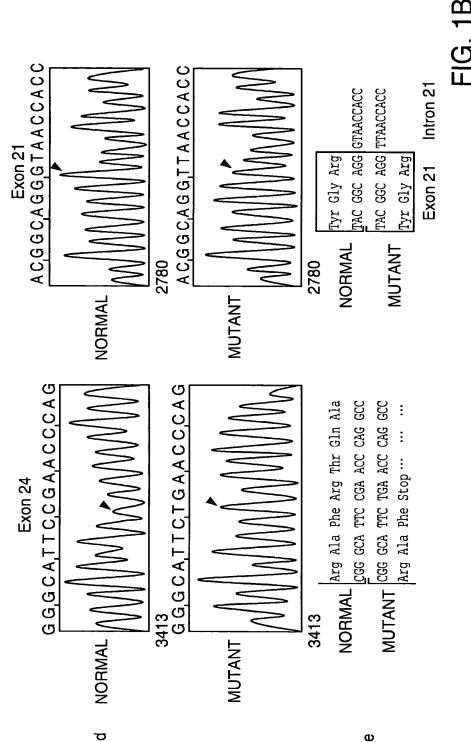


FIG. 1A FIG. 1B

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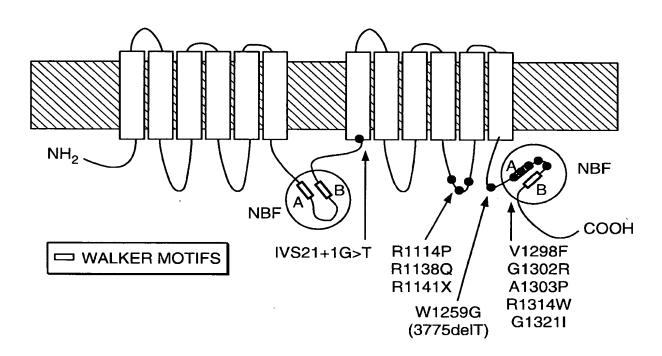


FIG. 2

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MAAPAEPCAGOGVWNOTEPEPAATSLLSLCFLRTAGVWVPPMYLWVLGPIYLLFIHHHGR GYLWMSPLFKAKMVLGFALIVLCTSSVAVALWKIQQGTPEAPEFLIHPTVWLTTMSFAVF Inventor: Boyd et al.

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FIG. 3

 $\mathtt{LVTFLCLEEVDPGVVDSSSSGSAAGKDCITIHSATFAWSQESPPC\underline{L}HRINLTVPQ\underline{G}\mathsf{CLL}\underline{A}}$ **VVGPVGAGKSSLLSALLGELSKVEGFVSIEGAVAYVPQEAMVQNTSVVENVCFGQELDPP** LIHTERKKGVQSSGVLFGYWLLCFVLPATNAAQQASGAGFQSDPVRHLSTYLCLSLVVAQ FVLSCLADQPPFFPEDPQQSNPCPETGAAFPSKATFWWVSGLVWRGYRRPLRPKDLWSLG RENSSEELVSRLEKEWMRNRSAARRHNKAIAFKRKGGSGMKAPETEPFLRQEGSQWRPLL KAIWQVFHSTFLLGTLSLIISDVFRFTVPKLLSLFLEFIGDPKPPAWKGYLLAVLMFLSA CLQTLFEQQNMYRLKVLQMRLRSAITGLV<u>YRK</u>V<u>L</u>ALSSGSRKASAV<u>G</u>DV<u>VNL</u>V<u>S</u>V<u>D</u>VQRL TESVLYLNGLWLPLVWIVVCFVYLWQLLGPSALTAIAVFLSLLPLNFFISKKRNHHQEEQ MRQKDSRARLTSSILRNSKTIKFHGWEGAFLDRVLGIRGQELGALRTSGLLFSVSLVSFQ VSTFL<u>V</u>ALVVFAVHTLVAENAMNAEKAFVTLTVLNI<u>L</u>NKAQAFLPFSIHSLV<u>Q</u>ARVSFD<u>R</u> WLERV<u>LEACALQPDV</u>DSFPEGIHTS<u>IGEQGMNLSGGQKQRLSLARAVY</u>RKAAV<u>YLLDDPL</u> <u>AALD</u>AH<u>V</u>GQH<u>VF</u>NQV<u>IGPGGLLQGTTRILVT</u>HALHILPQA<u>DWIIVLANG</u>AIAEM<u>GSYQEL</u> LQRKGALVCLLDQARQPGDRGEGETEPGTSTKDPRGTSAGRRPELRRERSIKSVPEKDRT TSEAQTEVPLDDPDRAGWPAGKDSIQYGRVKATVHLAYLRAVGTPLCLYALFLFLCQQVA SFCRGYWLSLWADDPAVGGQQTQAALRGGIFGLLGCLQAIGLFASMAAVLLGGARASRLL FQRLLWDVVRSPISFFERTPIGHLLNRFSKETDTVDVDIPDKLRSLLMYAFGLLEVSLVV AVATPLATVAILPLFLLYAGFQSLYVVSSCQLRRLESASYSSVCSHMAETFQGSTVVRAF RTQAPFVAQNNARVDESQRISFPRLVADRWLAANVELLGNGLVFAAATCAVLSKAHLSAG LVGFSVSAALQVTQTLQWVVRNWTDLENSIVSVERMQDYAWTPKEAPWRLPTCAAQPPWP <u> 2GGQIEFRDFGLRYRPELPLAVQGVSFKIHAGEKVGIVGRTGAGKSSLASGLLRLQEAAE</u> <u>GGIWIDGV</u>PIAHVG<u>L</u>HTL<u>R</u>SRIS<u>IIPQD</u>PIL<u>EPG</u>SL<u>RMNLD</u>LLQEHS<u>DEAIW</u>AAL<u>E</u>TVQ<u>L</u> KALVASLPGQLQYKCADRGEDLSVGQKQLLCLARALLRKTQILILDEATAAVDPGTELQM <u> QAMLGSWFAQCTVLLIAHRLRSVMDCARVLVMDKGQVAESGSPAQLLAQKGLFYRLAQES</u> Title: Methods and Composition for Diagnosing and Treating Pseudoxanthoma Elasticum and Related

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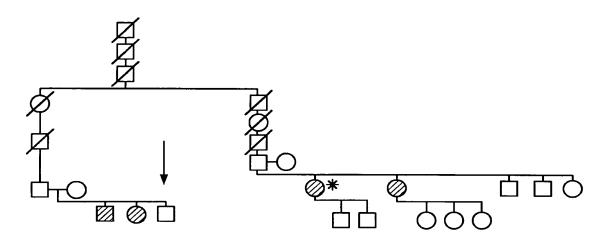


FIG. 4

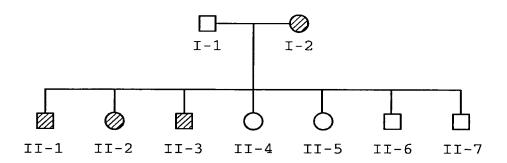


FIG. 5

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